Amendments to the Claims

1. (Currently Amended) A data storage circuit characterized by providing ~~ed~~ ~~with~~ a comparison section for reading out existing data stored in a storage element to compare said existing data and new data with each other prior to writing of said new data to said storage element, and configuring so that, in said comparison section, in a case where said exiting data and said new data are identical with each other, the writing to said storage element is not performed, and in a case where said existing data and said new data are not identical with each other, said new data is written to said storage element.

2. (Currently Amended) The data storage circuit as described in Claim 1, characterized by provid~~ing~~~~ed~~ ~~with~~ a control signal generating section for generating a readout control signal for performing readout control of said existing data and a write control signal for performing write control of said new data, and by configuring so that said existing data and said new data are compared with each other in said comparison section in accordance with a control signal from said control signal generating section.

3. (Original) A data writing method in a data storage circuit, characterized by:

performing a readout process of existing data stored in a storage element prior to performing a write process of new data to said storage element to compare

said existing data and said new data with each other, so as not to perform the write process to said storage element, in a case where said exiting data and said new data are identical with each other, and so as to perform

5 the write process of said new data to said storage element in a case where said existing data and said new data are not identical with each other.

4. (Original) The data writing method as described in
10 Claim 3, characterized by generating a readout control signal and a write control signal in accordance with a write signal input to said data storage circuit; reading out said existing data in accordance with said readout control signal; and comparing said existing data with
15 said new data in accordance with said write control signal.

5. (Currently Amended) A data storage device characterized by providing̲e̲d̲ ̲w̲i̲t̲h̲ a comparison section
20 for reading out existing data stored in a storage element to compare said existing data and new data with each other prior to writing of said new data to said storage element, and configuring so that, in said comparison section, in a case where said exiting data and said new
25 data are identical with each other, the writing to said storage element is not performed, and in a case where said existing data and said new data are not identical with each other, the writing of said new data to said storage element is performed.
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6. (Currently Amended) The data storage device as

described in Claim 5, characterized by provid~~inged~~ ~~with~~ a
control signal generating section for generating a
readout control signal for performing readout control of
said existing data and a write control signal for
5   performing write control of said new data, and by
configuring so that said existing data and said new data
are compared with each other in said comparison section
in accordance with a control signal from said control
signal generating section.
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7. (Original) The data storage device as described in
Claim 6, characterized in that:
        the comparison section is provided with a new data
retention section for temporarily retaining the new data;
15 an existing data retention section for temporarily
retaining the existing data; and a write enable signal
generating section for comparing the new data retained in
the new data retention section and the exiting data
retained in the existing data retention section with each
20 other to control an output of the write enable signal,
        the new data is temporarily retained in the new
data retention section while the existing data is
temporarily retained in the exiting data retention
section in accordance with the readout control signal
25 output from the control signal generating section, and
        the new data retained in the new data retention
section and the existing data retained in the existing
data retention section are compared with each other in
accordance with the write control signal output from the
30 control signal generating section.